

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/603,030	06/24/2003	Rustin W. Allred	TI-35877	2619
23494 75	90 12/05/2006		EXAMINER	
TEXAS INSTRUMENTS INCORPORATED			MALZAHN, DAVID H	
P O BOX 655474, M/S 3999 DALLAS, TX 75265			ART UNIT	PAPER NUMBER
			. 2193	
			DATE MAILED: 12/05/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/603,030	ALLRED, RUSTIN W.				
Office Action Summary	Examiner	Art Unit				
	David H. Malzahn	2193				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ting will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONS	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 01 No	ovember 2006.					
,	action is non-final.	•				
closed in accordance with the practice under E	•	•				
Disposition of Claims						
4) Claim(s) 1-27 is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>1-19</u> is/are allowed.						
6)⊠ Claim(s) <u>20-27</u> is/are rejected.						
7) Claim(s) is/are objected to.	·					
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) acce	'	Examiner.				
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correcti		, ,				
11) The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a	ı)-(d) or (f).				
a) All b) Some * c) None of:	have been received					
1. Certified copies of the priority documents have been received.2. Certified copies of the priority documents have been received in Application No						
<u> </u>						
 Copies of the certified copies of the prior application from the International Bureau 	-	ed in this National Stage				
* See the attached detailed Office action for a list		ed				
	or the defining copies not receive					
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	, Paper No(s)/Mail D 5) Notice of Informal I					
Paper No(s)/Mail Date	6) Other:	••				

Application/Control Number: 10/603,030 Page 2

Art Unit: 2193

DETAILED ACTION

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 20-27 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The claims are directed to a method or process for converting a gain index signal representing a desired dB value from a set of dB values, i.e. a number, to a linear gain signal, i.e. another number, via a mathematical algorithm. The claims are not limited to a practical application of the mathematical algorithm because the result, i.e. the linear gain signal, is not a useful, concrete and tangible result. More specifically it is not a tangible result because it is not a real-world result. Also, the claimed invention does not physically transform an article or physical object to a different state or thing because the transformation is merely a data transformation.

Relative to applicant's remarks the mere labeling of the signal as an audio signal does not provide a practical application.

Allowable Subject Matter

2. Claims 1-19 are allowed.

Application/Control Number: 10/603,030

Art Unit: 2193

Conclusion

3. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David H. Malzahn whose telephone number is (571) 272-3727. The examiner can normally be reached on M-Th from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-ai An, can be reached on 571-272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

Application/Control Number: 10/603,030

Art Unit: 2193

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David H. Malzahn Primary Examiner Art Unit 2193